Integumentary System: Structure and function Key Vocabulary

1. **Epidermis –** the outermost layer of skin
2. **Dermis –** the inner layer of skin
3. **Hypodermis –** the innermost layer of skin
4. **Keratinocytes –** the major constituent of the epidermis while it produce keratin proteins
5. **Melanocytes –** melanin-producing cells located in the bottom layer of the skin's epidermis
6. **Sweat glands –** produce sweat
7. **Langerhans cells –** fight pathogens when skin is infected
8. **Hair follicle –** a part of the skin that grows hair by packing old cells together
9. **Collagen and elastin –** two proteins which constitute dermis while giving elasticity and strength to skin
10. **Sensory receptor -** a sensory nerve ending that recognizes a stimulus in the internal or external environment of an organism.

Diseases/ Disorders: Key Vocabulary

1. **Alopecia Areata –** disease in which the immune system attacks the hair follicles resulting in baldness
2. **Psoriasis –** disease in which people obtain lesions called psoriatic plaques due to inflammation of the skin
3. **Warts –** disorder in which you get small, rough tumors on top of skin; very contagious
4. **Dermatitis –** redness or swelling of the skin due to inflammation, similar to Psoriasis
5. **Athlete’s Foot –** a fungal infection that usually attacks the foot causing flaking and itching
6. **Auto-immune Disease –** a disease resulting from a disordered immune reaction causing antibodies to attack one’s own body
7. **Inflammation –** redness, swelling, or pain on one or more areas of the body
8. **Fungal Infection –** an infection of the body due to a fungus
9. **Lesions –** an injury or wound; area of diseased tissue
10. **Tumor –** swollen part of the body; interior or exterior

Sudden Illnesses and First Aid

21. **Puncture** - the act of piercing or perforating, as with a pointed instrument or object.

22.**Burn** - to undergo rapid combustion or consume fuel in such a way as to give off heat, gases, and, usually, light;

23. **Gauze** - any thin and often transparent fabric made from any fiber in a plain or leno weave.

24. **Cut** - to penetrate with or as if with a sharp-edged instrument or object

25. **Skin** - the external covering or integument of an animal body, esp. when soft and flexible.

26. **Sting** - to prick or wound with a sharp-pointed, often venom-bearing organ.

27. **Bite** - to cut, wound, or tear with the teeth

28. **Bruise** - to injure by striking or pressing, without breaking the skin

29. **Third degree burn** - Burn characterized by destruction of both epidermis and dermis

30. **First Degree burn** - causing redness of the skin surface